10/644,669

WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Thursday, May 25, 2006

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT; PLUR=YES; OP=OR	
☐	L1	barnase near10 intron	13

END OF SEARCH HISTORY

Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 10 of 13 returned.

☐ 1. Document ID: US 20040199938 A1

Using default format because multiple data bases are involved.

L1: Entry 1 of 13 File: PGPB Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040199938
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040199938 A1

TITLE: Method for obtaining a monocotyledon plant containing a gene of interest free of foreign ancillary sequence

PUBLICATION-DATE: October 7, 2004

NO

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Perez, Pascual	Chanonat		FR
Gerentes, Denise	Le Crest		FR
Praud, Sebastien	Royat		FR

US-CL-CURRENT: 800/278; 435/320.1, 435/410, 435/419, 435/468, 800/260, 800/288, 800/320.1

✓

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 2. Document ID: US 20040139505 A1

L1: Entry 2 of 13 File: PGPB Jul 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040139505
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040139505 A1

NO

TITLE: Method for obtaining plants exhibiting enhanced resistance to water stress

PUBLICATION-DATE: July 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Zivy, Michel	Paris		FR
Perez, Pascual	Chanonat		FR

US-CL-CURRENT: 800/289; 435/468, 800/320.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D.

☐ 3. Document ID: US 20040121430 A1

L1: Entry 3 of 13 File: PGPB Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040121430
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040121430 A1

TITLE: Construct capable of release in closed circular form from a larger nucleotide sequence permitting site specific expression and /or developmentally regulated expression of selected genetic sequences

PUBLICATION-DATE: June 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dale, James Langham	Queensland		AU
Dugdale, Benjamin	Queensland		AU
Hafner, Greg John	Queensland		AU
Hermann, Scott Richard	Queensland		AU
Becker, Douglas Kenneth	Queensland		AU
Harding, Robert Maxwell	Queensland		AU
Chowpongpang, Srimek	Samut Sakhon		TH

US-CL-CURRENT: 435/69.1; 435/235.1, 435/325, 435/456

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D.

☐ 4. Document ID: US 20040107457 A1

L1: Entry 4 of 13 File: PGPB Jun 3, 2004

PGPUB-DOCUMENT-NUMBER: 20040107457
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040107457 A1

TITLE: Molecular mechanims for gene contaiment in plants

PUBLICATION-DATE: June 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kuvshinov, Viktor	Helsinki		FI
Koivu, Kimmo	Helsinki		FI
Kanerva, Anne	Helsinki		FI
Anissimov, Andrei	Helsinki		FI

US-CL-CURRENT: 800/278

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 5. Document ID: US 20040025200 A1

L1: Entry 5 of 13 File: PGPB Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040025200
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040025200 A1

TITLE: Molecular control of transgene segregation and its escape by a recoverable block of funtion (rbf) system

PUBLICATION-DATE: February 5, 2004

cip of 10/332,914;

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kuvshinov, Viktor	Helsinki		FI
Koivu, Kimmo	Helsinki		FI
Kanerva, Anne	Helsinki		FI
Pehu, Eija	Helsinki		FI

intra NE

US-CL-CURRENT: 800/278

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 6. Document ID: US 6849776 B1

L1: Entry 6 of 13 File: USPT Feb 1, 2005

US-PAT-NO: 6849776
DOCUMENT-IDENTIFIER: US 6849776 B1

parent

TITLE: Molecular control of transgene segregation and its escape by a recoverable block of function (RBF) system

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 7. Document ID: US 6521458 B1

L1: Entry 7 of 13 File: USPT Feb 18, 2003

US-PAT-NO: 6521458
DOCUMENT-IDENTIFIER: US 6521458 B1

TITLE: Compositions and methods for improved plant transformation

NO

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 8. Document ID: US 6395963 B1

L1: Entry 8 of 13 File: USPT May 28, 2002

US-PAT-NO: 6395963
DOCUMENT-IDENTIFIER: US 6395963 B1
** See image for Certificate of Correction **

NO

TITLE: Nematode-inducible regulatory DNA sequences

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 9. Document ID: US 6392119 B1

L1: Entry 9 of 13 File: USPT May 21, 2002

US-PAT-NO: 6392119
DOCUMENT-IDENTIFIER: US 6392119 B1

NO

TITLE: Two component plant cell lethality methods and compositions

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 10. Document ID: US 6291741 B1

L1: Entry 10 of 13 File: USPT Sep 18, 2001

US-PAT-NO: 6291741
DOCUMENT-IDENTIFIER: US 6291741 B1

NO

TITLE: Method for the production of modified plants

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
barnase near10 intron	13

Display Format: - Change Format

Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 11 through 13 of 13 returned.

☐ 11. Document ID: US 6262344 B1

Using default format because multiple data bases are involved.

L1: Entry 11 of 13 File: USPT Jul 17, 2001

US-PAT-NO: 6262344
DOCUMENT-IDENTIFIER: US 6262344 B1

TITLE: Nematode-inducible plant gene promoter

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ohl; Stephan Andreas	Leiden			NL
Sijmons; Peter Christiaan	Amsterdam			NL
Van Der Lee; Frederique Marianne	Delft			NL
Goddijn; Oscar Johannes Maria	Leiden			NL
Klap; Joke Johanna Catharina	Amsterdam			NL

US-CL-CURRENT: 800/287; 435/199, 435/252.3, 435/320.1, 435/419, 435/468, 435/6, 435/69.1, 47/6, 536/23.1, 536/23.6, 536/23.7, 536/23.71, 536/24.1, 536/24.5, 800/278, 800/279, 800/286, 800/288, 800/294, 800/298, 800/306, 800/317.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 12. Document ID: US 5866777 A

L1: Entry 12 of 13 File: USPT Feb 2, 1999

US-PAT-NO: 5866777
DOCUMENT-IDENTIFIER: US 5866777 A

TITLE: Method for obtaining plants with reduced susceptibility to plant-parasitic nematodes

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 13. Document ID: US 5589610 A

L1: Entry 13 of 13 File: USPT Dec 31, 1996

US-PAT-NO: 5589610
DOCUMENT-IDENTIFIER: US 5589610 A
** See image for Certificate of Correction **

NO

TITLE: Stamen-specific promoters from corn

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
barnase near10 intron	13

Display Format: - Change Format

Previous Page Next Page Go to Doc#

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=> file caplus biosis

=> s (barnase?(10a)intron?)/ab,bi
L1            5 (BARNASE?(10A) INTRON?)/AB,BI

=> dup rem l1
PROCESSING COMPLETED FOR L1
L2            4 DUP REM L1 (1 DUPLICATE REMOVED)

=> d l2 1-4

L2   ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2004:863497  CAPLUS
DN   142:212871
TI   A bidirectional gene trap construct suitable for T-DNA and Ds-mediated
     insertional mutagenesis in rice (Oryza sativa L.)
AU   Eamens, Andrew L.; Blanchard, Chris L.; Dennis, Elizabeth S.; Upadhyaya,
     Narayana M.
CS   CSIRO Plant Industry, Canberra, ACT, 2601, Australia
SO   Plant Biotechnology Journal (2004), 2(5), 367-380
     CODEN: PBJLAE; ISSN: 1467-7644

L2   ANSWER 2 OF 4  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2004:404613  CAPLUS
DN   141:117926
TI   Barnase gene inserted in the intron of GUS - a model
     for controlling transgene flow in host plants
AU   Kuvshinov, Viktor; Anissimov, Andrei; Yahya, Bukhari M.
CS   Helsinki Business and Science Park, UniCrop Ltd., Helsinki, SF-00790,
     Finland
SO   Plant Science (Amsterdam, Netherlands) (2004), 167(1), 173-182
     CODEN: PLSCE4; ISSN: 0168-9452

L2   ANSWER 3 OF 4  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2003:129351  CAPLUS
DN   138:164733
TI   Improved Agrobacterium-mediated plant transformation by incorporating a
     lethal polynucleotide in non-T-DNA sequences derived from a T-DNA vector
IN   Gutterson, Neal; Hanson, William G.
PA   DNA Plant Technology Corporation, USA
SO   U.S., 21 pp.
     CODEN: USXXAM
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     --------------      ----   --------    --------------------    --------
PI   US 6521458           B1    20030218    US 1999-302980          19990430
PRAI US 1998-86440P       P     19980522

L2   ANSWER 4 OF 4  CAPLUS  COPYRIGHT 2006 ACS on STN  DUPLICATE 1
AN   1999:717437  CAPLUS
DN   132:246908
TI   A simple method to enrich an Agrobacterium-transformed population for
     plants containing only T-DNA sequences
AU   Hanson, Bill; Engler, Dean; Moy, York; Newman, Bob; Ralston, Ed;
     Gutterson, Neal
CS   DNA Plant Technologies, Oakland, CA, 94608, USA
SO   Plant Journal (1999), 19(6), 727-734
     CODEN: PLJUED; ISSN: 0960-7412


=> d l1 ab 1 3 4
```

L1 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AB A construct suitable for genome-wide transfer-DNA (T-DNA) and subsequent transposon-based (Ds) gene trapping has been developed for use in rice (Oryza sativa). This T-DNA/Ds construct contains: Ds terminal sequences immediately inside T-DNA borders for subsequent Ds mobilization; promoterless green fluorescent protein (sgfpS65T) and β-glucuronidase (uidA) reporter genes, each fused to an intron (from Arabidopsis GPA1 gene) to enable bidirectional gene trapping by T-DNA or Ds; an ampicillin resistance gene (bla) and a bacterial origin of replication (ori) to serve as the plasmid rescue system; an intron-containing hygromycin phosphotransferase gene (hph) as a selectable marker or Ds tracer; and an **intron**-containing **barnase** gene in the binary vector backbone (VB) to select against transformants carrying unwanted VB sequences. More than a threefold increase over previously reported reporter gene-based gene trapping efficiencies was observed in primary T-DNA/Ds transformant rice lines, returning an overall reporter gene expression frequency of 23%. Of the plant organs tested, 3.3-7.4% expressed either reporter at varying degrees of organ or tissue specificity. Approx. 70% of the right border (RB) flanking sequence tags (FSTs) retained 1-6 bp of the RB repeat and 30% of the left border (LB) FSTs retained 5-23 bp of the LB repeat. The remaining FSTs carried deletions of 2-84 bp inside the RB or 1-97 bp inside the LB. Transposition of Ds from the original T-DNA was evident in T-DNA/Ds callus lines super-transformed with a transposase gene (Ac) construct, as indicated by gene trap reporter activity and rescue of new FSTs in the resulting double transformant lines. NO

L1 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AB The present invention relates to the production of transformed plants in which only sequences between the right border and left border elements of Agrobacterium are obtained in selected plant cells. The invention provides methods for eliminating plants containing non-T-DNA sequences derived from a T-DNA vector. More specifically, the invention provides a method for killing plant cells that receive non-T-DNA sequences based on incorporation of a lethal polynucleotide sequence into the non-T-DNA portion of the vector. The methods comprise introducing into plant cells a T-DNA vector comprising a T-DNA sequence having a right border, a left border and the polynucleotide of interest positioned between the right border and the left border. Also included in the vector is a non-T-DNA sequence comprising a lethal polynucleotide sequence. Plant cells are then selected which comprise the T-DNA sequence and do not comprise the lethal polynucleotide sequence. The lethal polynucleotide can encode a lethal polypeptide (e.g., a RNase, such as Barnase) or encode a lethal mRNA transcript (e.g., a ribozyme or antisense RNA). The lethal polynucleotide may be altered to prevent expression in the Agrobacterium host. This can be accomplished, for instance, by including an intron in the coding region. The non-T-DNA sequence may further comprise a screenable marker and the method may further comprise detection of the screenable marker in the plant cells. A binary vector containing barnase-INT and LUC-INT outside the left border and a control vector with a non-functional barnase-INT gene are constructed. Agrobacterium-mediated transformation of tobacco and tomato using a lethal gene outside the left border is described. It was shown that barnase function is directly responsible for the reduction in DNA outside the T-DNA being present in transformed tobacco and tomato plants. NO

L1 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AB A simple modification to standard binary vector design has been utilized to enrich an Agrobacterium-transformed population for plants containing only T-DNA sequences. A lethal gene was incorporated into the non-T-DNA portion of a binary vector, along with a screenable marker. The resulting class of vectors is designated as NTL T-DNA vectors (non-T-DNA lethal gene-containing T-DNA vectors). The lethal gene used here is a CaMV 35S-**barnase** gene with an **intron** in the coding sequence (**barnase**-INT); the screenable marker is a pMAS-luciferase gene with NO

an intron in the coding sequence (LUC-int). To evaluate the utility of this vector design, tobacco plants were transformed with either the NTL T-DNA vector or a control vector from which most of the barnase-INT gene was deleted. Populations of 50 transgenic plants were scored for LUC expression. The results indicated a dramatic reduction in the presence of non-T-DNA sequences in the transgenic population using the NTL T-DNA vector. Only one transgenic plant was found to be LUC+ using the NTL vector, compared with 42 of 50 plants using the control vector. Importantly, the efficiency with which transformed tobacco plants was obtained was reduced by no more than 30%. The reduction in LUC+ transgenics was partially reversed when a barstar-expressing tobacco line was transformed, indicating that barnase expression was responsible for the reduced frequency of incorporating non-T-DNA sequences. Similar transformation results were obtained with tomato and grape. The incorporation of a barnase-INT gene outside the left border appears to provide a generally applicable tool for enriching an Agrobacterium-transformed population for plants containing only T-DNA sequences.

=> log y

STN INTERNATIONAL LOGOFF AT 19:12:27 ON 25 MAY 2006